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Morbidity and Mortality Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER

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53rd ISSUE VOL. 13 FOR 1964 includes data for the week ending January 2, 1965. See page 472 for an explanation of the 53-week year. The next issue, No. 1 of 1965 will include data for the week ending January 9, 1965. The 54th issue of Vol. 13, Annual Supplement on Reported Incidence of Notifiable Diseases in 1964, will be published in the early fall.

U.S. GOVT. JAN 7 1965

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED JANUARY 2, 1965

INDEX ISSUE

POLIOMYELITIS SURVEILLANCE SUMMARY

Poliomyelitis – 1964

During 1964, 121 cases of poliomyelitis were reported in the United States; of these, 94 were paralytic. This number is less than one-fourth the number of paralytic cases reported during 1963, the previous record low year.

The occurrence of paralytic poliomyelitis by 4-week periods since 1961 is presented in the figure opposite. The seasonal pattern of increased incidence during early summer is evident for 1961, 1962, and 1963, but with declining intensity. A seasonal rise did not occur in 1964. There were no outbreaks of human poliomyelitis reported anywhere in the country in 1964.

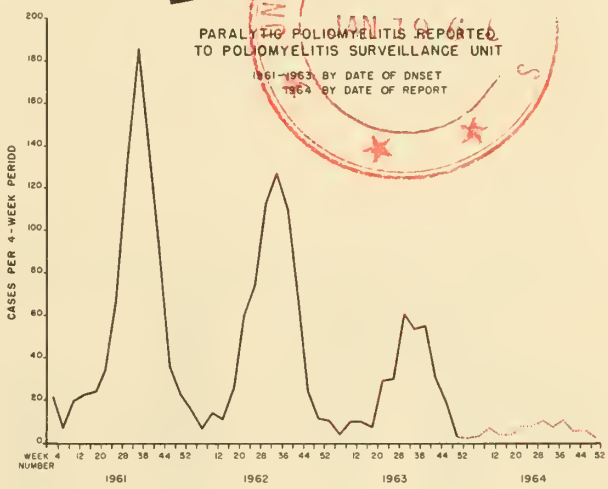


Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous weeks)

Disease	53rd Week Ended			Cumulative, First		
	January 2 1965	December 28 1963	Median 1959 - 1963	53 weeks 1964	52 weeks 1963	Median 1959 - 1963
Aseptic meningitis	46	35	---	2,181	1,831	---
Brucellosis	1	7	15	401	382	581
Diphtheria	13	4	24	306	298	594
Encephalitis, primary infectious	22	26	---	3,226	1,541	---
Encephalitis, post-infectious	6		---	787		---
Hepatitis, infectious including serum hepatitis	623	842	842	38,272	42,891	42,891
Measles	2,771	3,668	4,278	490,590	387,973	421,847
Meningococcal infections	58	53	46	2,867	2,356	2,197
Poliomyelitis, Total	2	9	31	121	445	1,365
Paralytic	2	9	16	94	381	885
Nonparalytic	-	-	---	15	46	---
Unspecified	-	-	---	12	18	---
Streptococcal Sore Throat and Scarlet fever	7,356	6,827	---	401,179	339,479	---
Tetanus	4	5	---	271	280	---
Tularemia	15	11	---	345	298	---
Typhoid fever	12	7	13	470	529	828
Rabies in Animals	85	61	70	4,597	3,711	3,556

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	5	Psittacosis:	48
Botulism:	22	Rabies in Man:	1
Leptospirosis: Hawaii - 1, Calif. - 1	125	Smallpox:	-
Malaria: NY City-1, Pa.-1, La.-1, Calif.-1, Fla.-1	102	Typhus-	
Plague:	-	Murine:	25
		Rky Mt. Spotted: Ga. - 1	227

PARALYTIC POLIOMYELITIS – 1963

The Communicable Disease Center receives weekly poliomyelitis case reports from State and local health departments through the National Morbidity Reporting System. In addition, since 1958, individual surveillance forms have been submitted for each case to the Poliomyelitis Surveillance Unit; a preliminary form which supplies basic epidemiologic data, and a follow-up form which includes information regarding extent of residual paralysis of the case and results obtained in laboratory studies. The incidence of cases of poliomyelitis with residual paralysis at 60 days represents the most reliable index presently available to assess the national status of poliomyelitis[1].

During 1963, 336 cases of poliomyelitis with residual paralysis were reported to the Polio Surveillance Unit. These are presented in the following table by age group and history of inactivated vaccine. Approximately one-half of the cases occurred in pre-school children as compared to 39 percent in 1961 and 43 percent in both 1960 and 1959.

FREQUENCY OF POLIOVIRUS ISOLATES RECOVERED FROM PARALYTIC CASES UNITED STATES, 1958-63

Year	Numbers of Cases: Residual Paralysis	Numbers of Cases: Specimens Submitted*	Percent of Cases Studied	Viruses Identified: Type I	Type II	Type III	Unk.	Percent of Total Specified: I	II	III
1958	3301	1479	44.8	898	29	194	10	80.1	2.6	17.3
1959	5472	2775	50.7	1881	10	228	23	88.8	0.5	10.8
1960	2218	1072	48.3	603	1	219	2	73.3	0.1	26.6
1961	829	481	58.0	231	6	145	0	60.5	1.6	37.9
1962	691	472	68.3	300	8	100	0	73.7	2.0	24.4
1963	336	242	72.0	160	6	31	0	81.2	3.0	15.7

*Includes all paralytic cases on which one or more fecal specimens were examined for virus isolation. State and local health department laboratories and laboratories in academic centers reported these results through State epidemiologists to the Poliomyelitis Surveillance Unit.

There were 21 deaths attributed to paralytic poliomyelitis among the 336 cases resulting in a case fatality ratio of 6.3 percent. Fifteen of the deaths were in persons less than 20 years of age, yielding a fatality ratio of 5.3 percent and the remaining 6 deaths occurred in adults yielding a ratio of 11.5 percent.

In addition to the 33 cases that had received a full series (4 or more doses) of inactivated polio vaccine, 5 cases had received a complete series of oral polio vaccine.

Reports of attempted virus isolations on specimens from 242 paralytic cases with onset during the year 1963 were received by the Poliomyelitis Surveillance Unit of the Communicable Disease Center. This represents isolation attempts from 72 percent of the 336 cases with residual paralysis reported to the Poliomyelitis Surveillance Unit.

Of the 242 specimens studied in 1963, there were 197 isolations of poliovirus (81 percent). Of those with virus type specified, 160 (81.2 percent) were Type I and 31 (15.7 percent) were Type III. Type II was isolated in only 6 cases. The number of specimens studied and the type distribution for the past 6 years are shown in the table on page 464.

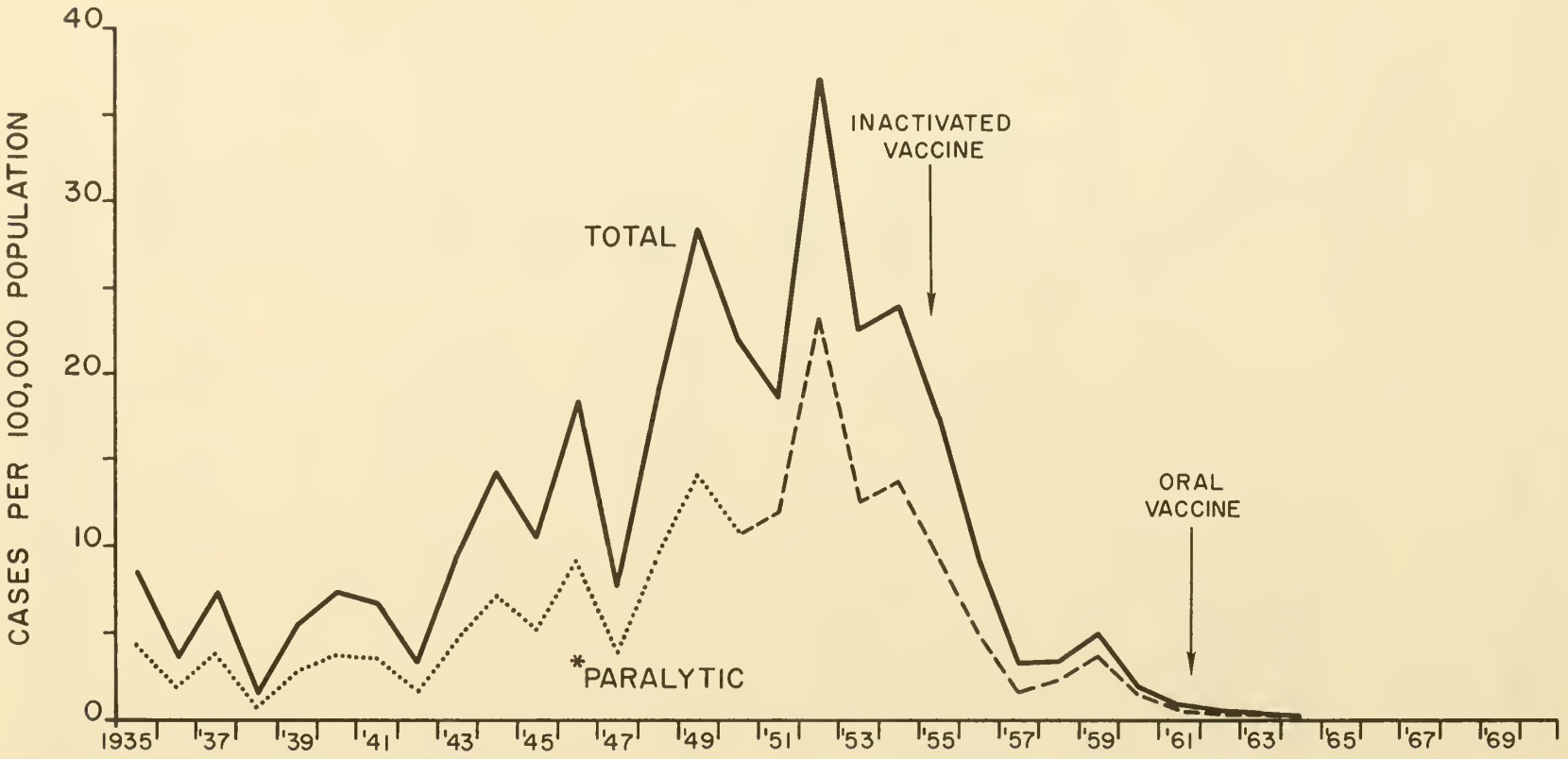
There were 8 outbreaks of paralytic poliomyelitis in 1963 accounting for 136 of the 336 cases. These outbreaks*, shown in map on page 464, were all caused by Type I poliovirus. The majority of cases in these outbreaks were unvaccinated pre-school children.

Reference

1. Poliomyelitis Surveillance Unit, Surveillance of Poliomyelitis in the United States, 1958-61. Pub. Health Rep. December 1962, Vol. 77, No. 12, p. 1011.

*"Epidemic areas" are defined as those areas reporting 6 or more paralytic cases of which at least 4 occurred within a 30-day period.

ANNUAL POLIOMYELITIS INCIDENCE RATES
UNITED STATES, 1935-1964



*PARALYTIC CASES PRIOR TO 1951 ASSUMED TO BE 50% OF TOTAL. SINCE 1951, CASES REPORTED AS UNSPECIFIED WERE PRORATED AMONG PARALYTIC AND NONPARALYTIC CASES.

SOURCE: National Morbidity Reports

PARALYTIC POLIOMYELITIS CASES BY AGE GROUP AND INACTIVATED VACCINATION HISTORY REPORTED IN THE UNITED STATES – 1963

Age Group	Doses of Inactivated Vaccine						Total Cases	Percent of Total Cases	Deaths
	0	1	2	3	4+	Unk.			
0-4	117	13	11	14	8	7	170	50.6	8
5-9	25	6	4	10	14	2	61	18.2	4
10-14	23	1	1	8	5	0	38	11.3	3
15-19	5	3	3	2	1	1	15	4.5	0
20-29	17	0	0	5	2	1	25	7.4	2
30-39	10	2	1	2	2	1	18	5.4	4
40+	8	0	0	0	1	0	9	2.7	0
Total	205	25	20	41	33	12	336	100.0	21
Percent	63.3	7.7	6.2	12.7	10.2				

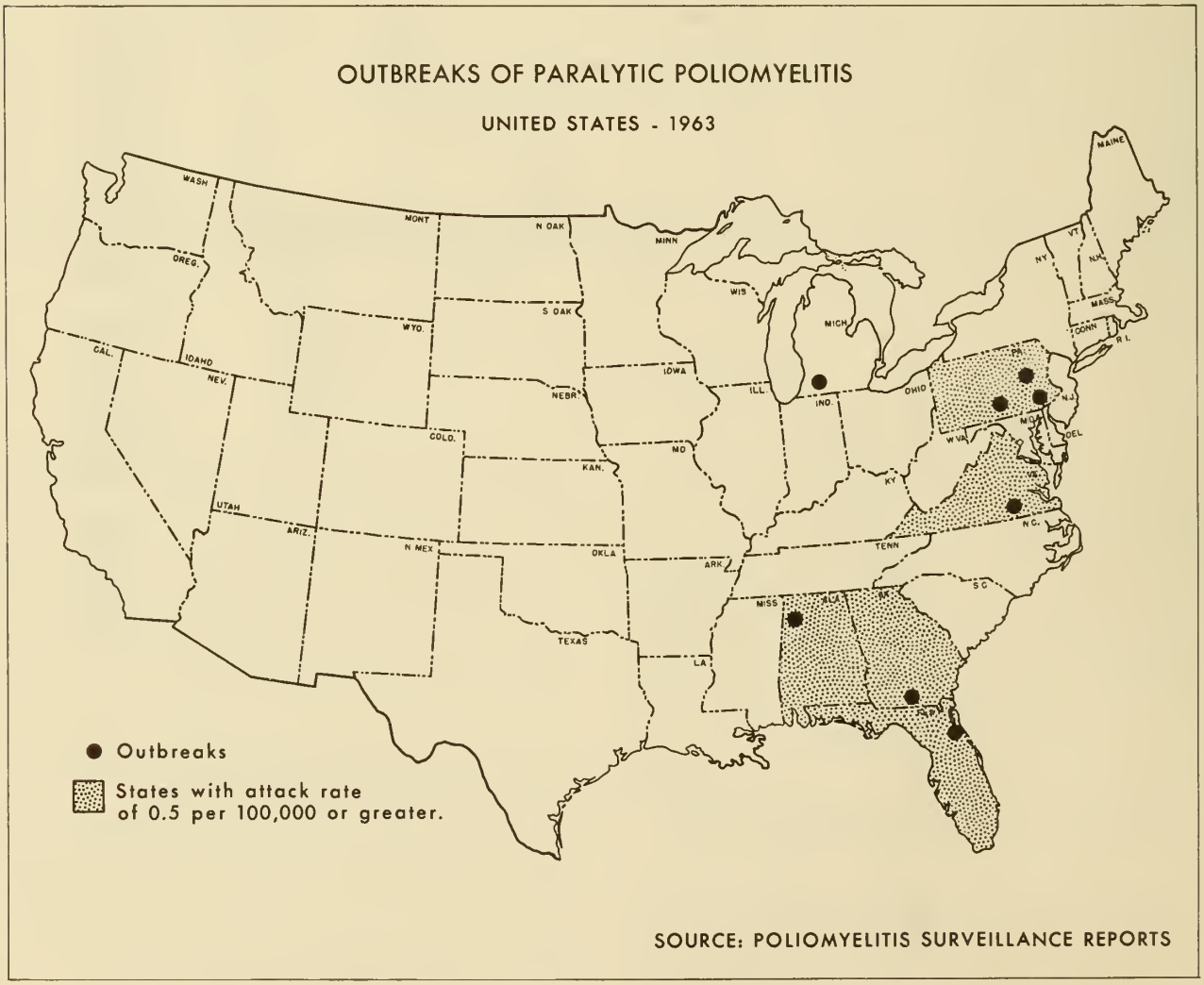


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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JANUARY 2, 1965 AND DECEMBER 28, 1963 (53rd WEEK)

Area	Aseptic Meningitis		Encephalitis		Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
			Primary	Post-Inf.			Cumulative				Cumulative	
	1964	1963	1964	1964	1964	1963	1964	1963	1964	1963	1964	1963
UNITED STATES...	46	35	22	6	2	9	121	445	2	9	94	381
NEW ENGLAND.....	-	-	-	-	-	-	2	9	-	-	2	9
Maine.....	-	-	-	-	-	-	-	3	-	-	-	3
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	1	-	-	-	1
Massachusetts.....	-	-	-	-	-	-	-	3	-	-	-	3
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-	2	2	-	-	2	2
MIDDLE ATLANTIC.....	2	1	7	1	-	1	15	124	-	1	13	99
New York City.....	1	-	4	-	-	-	2	1	-	-	2	-
New York, Up-State.	1	1	1	-	-	-	10	11	-	-	9	7
New Jersey.....	-	-	1	-	-	-	3	4	-	-	2	3
Pennsylvania.....	-	-	1	1	-	1	-	108	-	1	-	89
EAST NORTH CENTRAL...	3	5	4	1	-	-	24	58	-	-	16	47
Ohio.....	2	-	3	-	-	-	3	8	-	-	2	4
Indiana.....	-	-	-	-	-	-	9	4	-	-	6	3
Illinois.....	-	2	1	1	-	-	6	17	-	-	5	16
Michigan.....	-	3	-	-	-	-	3	20	-	-	2	20
Wisconsin.....	1	-	-	-	-	-	3	9	-	-	1	4
WEST NORTH CENTRAL...	2	2	-	-	-	1	10	9	-	1	8	7
Minnesota.....	2	2	-	-	-	-	3	4	-	-	2	4
Iowa.....	-	-	-	-	-	-	1	-	-	-	1	-
Missouri.....	-	-	-	-	-	1	4	2	-	1	3	1
North Dakota.....	-	-	-	-	-	-	1	1	-	-	1	-
South Dakota.....	-	-	-	-	-	-	-	1	-	-	-	1
Nebraska.....	-	-	-	-	-	-	-	1	-	-	-	1
Kansas.....	-	-	-	-	-	-	1	-	-	-	1	-
SOUTH ATLANTIC.....	6	4	5	1	1	5	36	110	1	5	29	96
Delaware.....	3	-	-	-	-	-	-	1	-	-	-	1
Maryland.....	-	-	-	-	-	-	1	1	-	-	1	1
Dist. of Columbia..	-	-	-	-	-	-	-	1	-	-	-	-
Virginia.....	-	-	-	1	-	-	4	21	-	-	4	16
West Virginia.....	-	-	-	-	-	4	1	8	-	4	1	8
North Carolina.....	-	-	1	-	-	-	12	6	-	-	7	5
South Carolina.....	-	-	-	-	-	-	3	9	-	-	3	8
Georgia.....	-	-	-	-	1	-	4	22	1	-	4	21
Florida.....	3	4	4	-	-	1	11	41	-	1	9	36
EAST SOUTH CENTRAL...	11	4	-	-	-	1	6	75	-	1	5	69
Kentucky.....	11	-	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	-	-	-	-	-	3	12	-	-	2	11
Alabama.....	-	-	-	-	-	-	2	53	-	-	2	48
Mississippi.....	-	4	-	-	-	1	1	10	-	1	1	10
WEST SOUTH CENTRAL...	2	2	2	-	-	-	13	28	-	-	11	27
Arkansas.....	-	-	1	-	-	-	-	4	-	-	-	3
Louisiana.....	1	-	-	-	-	-	1	14	-	-	1	14
Oklahoma.....	-	-	-	-	-	-	3	1	-	-	2	1
Texas.....	1	2	1	-	-	-	9	9	-	-	8	9
MOUNTAIN.....	2	2	1	-	-	1	11	9	-	1	6	7
Montana.....	-	-	-	-	-	-	1	-	-	-	1	-
Idaho.....	-	-	-	-	-	-	1	1	-	-	1	1
Wyoming.....	1	1	-	-	-	-	2	-	-	-	2	-
Colorado.....	1	1	1	-	-	-	1	2	-	-	1	1
New Mexico.....	-	-	-	-	-	-	5	1	-	-	-	-
Arizona.....	-	-	-	-	-	-	1	3	-	-	1	3
Utah.....	-	-	-	-	-	1	-	1	-	1	-	1
Nevada.....	-	-	-	-	-	-	-	1	-	-	-	1
PACIFIC.....	18	15	3	3	1	-	4	23	1	-	4	20
Washington.....	2	4	1	-	-	-	-	2	-	-	-	2
Oregon.....	-	1	-	-	-	-	1	2	-	-	1	1
California.....	14	6	2	3	1	-	3	19	1	-	3	17
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	2	4	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	5	-	-	-	4

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JANUARY 2, 1965 AND DECEMBER 28, 1963 (53rd WEEK) - Continued

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis						Typhoid Fever	
		Cum.		Cum.	Total	Under 20 years	20 years and over	Age Unknown	Cumulative			Cum.
	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1964	1964
UNITED STATES...	1	401	13	306	623	284	252	87	38,272	42,891	12	470
NEW ENGLAND.....	-	2	-	45	38	17	20	1	3,401	4,946	-	17
Maine.....	-	-	-	39	19	13	6	-	1,037	2.250	-	-
New Hampshire.....	-	-	-	-	1	-	1	-	269	614	-	-
Vermont.....	-	-	-	-	4	1	2	1	390	154	-	-
Massachusetts.....	-	2	-	6	4	1	3	-	783	1,193	-	8
Rhode Island.....	-	-	-	-	4	1	3	-	241	125	-	6
Connecticut.....	-	-	-	-	6	1	5	-	681	610	-	3
MIDDLE ATLANTIC.....	-	9	1	11	122	55	67	-	8,275	8,532	1	69
New York City.....	-	-	-	5	29	6	23	-	1,322	1,332	1	35
New York, Up-State.	-	5	-	-	55	31	24	-	3,582	3,686	-	15
New Jersey.....	-	-	-	2	15	7	8	-	1,348	1,247	-	2
Pennsylvania.....	-	4	1	4	23	11	12	-	2,023	2,267	-	17
EAST NORTH CENTRAL...	-	51	-	11	128	62	50	16	6,228	6,876	1	92
Ohio.....	-	5	-	-	22	11	11	-	1,628	1,888	-	26
Indiana.....	-	1	-	1	5	-	4	1	500	632	-	24
Illinois.....	-	30	-	9	43	28	12	3	1,199	1,386	-	23
Michigan.....	-	6	-	1	45	22	23	-	2,480	2,662	1	13
Wisconsin.....	-	9	-	-	13	1	-	12	421	308	-	6
WEST NORTH CENTRAL...	-	176	-	36	29	22	7	-	2,163	1,932	-	35
Minnesota.....	-	9	-	18	1	1	-	-	234	296	-	3
Iowa.....	-	114	-	-	22	18	4	-	478	344	-	4
Missouri.....	-	10	-	1	1	1	-	-	507	617	-	18
North Dakota.....	-	2	-	2	-	-	-	-	64	111	-	2
South Dakota.....	-	22	-	3	-	-	-	-	135	150	-	1
Nebraska.....	-	13	-	5	1	1	-	-	86	132	-	3
Kansas.....	-	6	-	7	4	1	3	-	659	282	-	4
SOUTH ATLANTIC.....	-	40	2	90	51	20	31	-	3,521	4,322	-	102
Delaware.....	-	-	-	-	1	-	1	-	79	85	-	-
Maryland.....	-	-	-	1	8	5	3	-	651	539	-	8
Dist. of Columbia..	-	-	-	-	1	-	1	-	73	110	-	-
Virginia.....	-	17	-	-	5	2	3	-	570	829	-	11
West Virginia.....	-	1	-	-	10	7	3	-	501	700	-	-
North Carolina.....	-	4	-	2	6	4	2	-	565	1,079	-	21
South Carolina.....	-	-	-	7	5	2	3	-	160	171	-	13
Georgia.....	-	14	1	33	1	-	1	-	115	177	-	28
Florida.....	-	4	1	47	14	-	14	-	807	632	-	21
EAST SOUTH CENTRAL...	-	19	-	32	38	27	6	5	2,572	3,815	2	47
Kentucky.....	-	6	-	-	18	12	1	5	897	1,168	-	10
Tennessee.....	-	6	-	2	10	6	4	-	914	1,456	1	22
Alabama.....	-	4	-	25	6	6	-	-	493	602	1	9
Mississippi.....	-	3	-	5	4	3	1	-	268	589	-	6
WEST SOUTH CENTRAL...	1	50	4	45	46	30	15	1	2,970	2,881	2	49
Arkansas.....	-	6	-	3	3	1	2	-	298	312	2	18
Louisiana.....	-	5	4	16	13	8	5	-	703	595	-	8
Oklahoma.....	1	10	-	1	-	-	-	-	135	122	-	9
Texas.....	-	29	-	25	30	21	8	1	1,834	1,852	-	14
MOUNTAIN.....	-	30	-	2	74	9	5	60	2,404	2,713	3	17
Montana.....	-	-	-	-	8	3	1	4	202	341	-	-
Idaho.....	-	-	-	-	-	-	-	-	356	445	-	-
Wyoming.....	-	-	-	-	-	-	-	-	94	44	-	1
Colorado.....	-	-	-	-	18	2	-	16	622	573	-	-
New Mexico.....	-	1	-	1	7	3	4	-	348	345	3	8
Arizona.....	-	2	-	1	40	-	-	40	537	610	-	8
Utah.....	-	26	-	-	1	1	-	-	194	336	-	-
Nevada.....	-	1	-	-	-	-	-	-	51	19	-	-
PACIFIC.....	-	24	6	34	97	42	51	4	6,738	6,874	3	42
Washington.....	-	-	-	13	22	7	11	4	688	1,130	-	2
Oregon.....	-	2	-	-	7	5	2	-	661	796	-	-
California.....	-	22	6	21	63	27	36	-	4,942	4,687	3	40
Alaska.....	-	-	-	-	4	3	1	-	321	212	-	-
Hawaii.....	-	-	-	-	1	-	1	-	126	49	-	-
Puerto Rico	-	-	-	13	13	12	1	-	1,018	945	-	13

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JANUARY 2, 1965 AND DECEMBER 28, 1963 (53rd WEEK) - Continued

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals	
			Cumulative					Cum.		Cum.		Cum.
	1964	1964	1964	1963	1964	1963	1964	1964	1964	1964	1964	1964
UNITED STATES...	2,771	58	2,867	2,356	7,356	6,827	4	271	15	345	85	4,597
NEW ENGLAND.....	724	3	101	133	774	428	-	9	-	1	3	41
Maine.....	175	-	9	19	101	31	-	-	-	-	-	29
New Hampshire.....	53	-	2	4	21	3	-	-	-	-	-	2
Vermont.....	7	-	4	6	1	8	-	-	-	-	1	7
Massachusetts.....	346	1	42	59	104	68	-	9	-	1	-	1
Rhode Island.....	56	1	13	13	37	73	-	-	-	-	-	-
Connecticut.....	87	1	31	32	510	245	-	-	-	-	2	2
MIDDLE ATLANTIC.....	103	4	360	337	386	324	-	23	-	1	1	128
New York City.....	31	-	48	50	16	24	-	-	-	-	-	-
New York, Up-State.	11	-	110	104	274	187	-	9	-	-	1	119
New Jersey.....	15	1	111	57	43	51	-	6	-	-	-	-
Pennsylvania.....	46	3	91	126	53	62	-	8	-	1	-	9
EAST NORTH CENTRAL...	479	8	384	363	741	757	-	51	3	33	13	624
Ohio.....	78	2	101	105	56	107	-	14	1	5	8	317
Indiana.....	39	1	60	47	112	65	-	15	-	2	2	36
Illinois.....	16	1	101	72	170	117	-	14	2	19	1	117
Michigan.....	260	3	85	104	254	338	-	7	-	3	1	59
Wisconsin.....	86	1	37	35	149	130	-	1	-	4	1	95
WEST NORTH CENTRAL...	125	4	164	151	457	287	-	18	5	64	13	1,341
Minnesota.....	8	3	38	33	5	18	-	5	-	2	4	432
Iowa.....	41	-	9	8	62	34	-	6	-	1	4	463
Missouri.....	-	-	75	44	70	6	-	4	2	34	-	192
North Dakota.....	74	-	20	17	194	85	-	-	-	-	-	72
South Dakota.....	1	-	3	7	26	15	-	1	1	16	1	96
Nebraska.....	1	-	7	25	1	-	-	-	-	-	2	39
Kansas.....	NN	1	12	17	99	129	-	2	2	11	2	47
SOUTH ATLANTIC.....	327	6	541	429	934	534	2	68	3	35	7	615
Delaware.....	13	-	7	4	3	2	-	-	-	-	-	-
Maryland.....	18	-	44	58	188	14	-	4	1	1	-	3
Dist. of Columbia..	1	-	17	9	10	6	-	1	-	1	-	-
Virginia.....	82	-	67	90	242	144	-	8	-	8	4	337
West Virginia.....	121	-	36	23	294	165	-	1	-	-	-	38
North Carolina.....	15	2	97	82	23	11	-	16	-	7	-	5
South Carolina.....	8	-	59	24	16	16	-	5	-	-	-	2
Georgia.....	-	1	89	38	1	21	-	5	1	16	3	123
Florida.....	69	3	125	101	157	155	2	28	1	2	-	107
EAST SOUTH CENTRAL...	300	6	217	159	1,261	815	1	36	2	40	35	730
Kentucky.....	4	6	74	34	191	154	-	8	2	6	1	68
Tennessee.....	157	-	67	72	996	623	-	14	-	26	31	573
Alabama.....	127	-	47	29	62	25	-	8	-	3	3	26
Mississippi.....	12	-	29	24	12	13	1	6	-	5	-	63
WEST SOUTH CENTRAL...	228	13	327	218	423	901	-	30	2	111	11	648
Arkansas.....	1	-	35	14	5	3	-	8	1	67	3	151
Louisiana.....	-	6	139	89	1	8	-	4	-	6	3	86
Oklahoma.....	4	1	17	36	41	-	-	1	1	22	2	100
Texas.....	223	6	136	79	376	890	-	17	-	16	3	311
MOUNTAIN.....	262	1	109	87	1,317	2,207	-	6	-	57	-	145
Montana.....	40	-	1	5	7	106	-	-	-	19	-	1
Idaho.....	73	-	5	6	87	44	-	1	-	-	-	-
Wyoming.....	-	-	5	7	40	36	-	2	-	12	-	-
Colorado.....	33	-	22	26	637	1,459	-	-	-	-	-	8
New Mexico.....	44	-	48	5	348	294	-	1	-	-	-	52
Arizona.....	5	-	8	13	70	143	-	1	-	2	-	70
Utah.....	67	-	8	20	127	125	-	1	-	24	-	3
Nevada.....	-	1	12	5	1	-	-	-	-	-	-	11
PACIFIC.....	223	13	664	479	1,063	574	1	30	-	3	2	325
Washington.....	6	-	48	40	137	319	-	3	-	-	-	-
Oregon.....	68	-	28	35	27	20	-	1	-	1	-	11
California.....	105	12	565	373	797	192	1	24	-	2	2	314
Alaska.....	-	-	7	17	-	1	-	-	-	-	-	-
Hawaii.....	44	1	16	14	102	42	-	2	-	-	-	-
Puerto Rico	7	-	37	12	3	8	-	67	-	-	-	28

Table 4 (A). TOTAL DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)°

Area	For weeks ending			
	12/12	12/19	12/26	1/2
NEW ENGLAND:				
Boston, Mass.	328	341	279	278*
Bridgeport, Conn.	45	38	35	49
Cambridge, Mass.	25	35	22	37
Fall River, Mass.	31	27	22	27
Hartford, Conn.	57	73	50	55
Lowell, Mass.	22	23	24	25
Lynn, Mass.	28	26	23	27
New Bedford, Mass.	28	30	27	30
New Haven, Conn.	43	39	36	45
Providence, R.I.	59	84	80	85
Somerville, Mass.	7	12	15	18
Springfield, Mass.	61	45	46	46
Waterbury, Conn.	27	42	23	41
Worcester, Mass.	50	53	29	55
MIDDLE ATLANTIC:				
Albany, N.Y.	44	45	53	65
Allentown, Pa.	43	37	35	38
Buffalo, N.Y.	180	144	127	165
Camden, N.J.	47	60	46	48
Elizabeth, N.J.	37	33	29	31
Erie, Pa.	43	33	37	59
Jersey City, N.J.	83	78	65	73
Newark, N.J.	104	79	88	99
New York City, N.Y.	1781	1781	1578	1960
Paterson, N.J.	51	39	32	45
Philadelphia, Pa.	429	476	529	345
Pittsburgh, Pa.	196	159	212	199
Reading, Pa.	54	52	48	59
Rochester, N.Y.	113	136	95	105
Schenectady, N.Y.	26	32	26	40
Scranton, Pa.	54	40	48	37
Syracuse, N.Y.	55	52	54	53
Trenton, N.J.	43	47	41	58
Utica, N.Y.	32	26	22	21
Yonkers, N.Y.	33	37	26	35*
EAST NORTH CENTRAL:				
Akron, Ohio	67	58	52	66
Canton, Ohio	56	30	30	47
Chicago, Ill.	854	782	688	805
Cincinnati, Ohio	159	150	115	166
Cleveland, Ohio	221	186	172	199
Columbus, Ohio	128	122	121	126
Dayton, Ohio	65	88	63	79
Detroit, Mich.	362	369	411	400
Evansville, Ind.	60	47	41	41
Flint, Mich.	43	37	44	51
Fort Wayne, Ind.	45	51	38	44
Gary, Ind.	44	23	53	33
Grand Rapids, Mich.	49	60	56	48
Indianapolis, Ind.	174	167	142	159
Madison, Wis.	25	50	23	41
Milwaukee, Wis.	121	121	88	118
Peoria, Ill.	42	34	25	42
Rockford, Ill.	34	19	20	32
South Bend, Ind.	37	32	33	38
Toledo, Ohio	100	95	99	87
Youngstown, Ohio	69	51	41	62
WEST NORTH CENTRAL:				
Des Moines, Iowa	56	58	48	52
Duluth, Minn.	24	34	24	29
Kansas City, Kans.	44	39	39	43*
Kansas City, Mo.	149	144	109	133
Lincoln, Nebr.	33	26	18	20
Minneapolis, Minn.	121	141	107	133
Omaha, Nebr.	67	71	50	83
St. Louis, Mo.	229	261	224	263
St. Paul, Minn.	86	78	41	99
Wichita, Kans.	46	64	47	49
SOUTH ATLANTIC:				
Atlanta, Ga.	138	128	109	122
Baltimore, Md.	264	255	250	267
Charlotte, N.C.	38	39	33	47
Jacksonville, Fla.	87	82	55	69
Miami, Fla.	59	87	74	87
Norfolk, Va.	65	60	39	51
Richmond, Va.	88	77	69	93
Savannah, Ga.	34	40	21	27
St. Petersburg, Fla.	82	74	77	101
Tampa, Fla.	78	63	56	110
Washington, D.C.	210	237	236	188
Wilmington, Del.	50	45	32	47
EAST SOUTH CENTRAL:				
Birmingham, Ala.	89	102	51	105
Chattanooga, Tenn.	52	41	41	58
Knoxville, Tenn.	41	38	21	44
Louisville, Ky.	147	123	78	71
Memphis, Tenn.	114	124	108	120
Mobile, Ala.	51	52	41	36
Montgomery, Ala.	34	29	31	36
Nashville, Tenn.	102	78	55	95
WEST SOUTH CENTRAL:				
Austin, Tex.	37	35	22	45
Baton Rouge, La.	40	47	33	11
Corpus Christi, Tex.	36	30	17	24
Dallas, Tex.	166	153	140	149
El Paso, Tex.	41	48	22	30
Fort Worth, Tex.	95	89	65	77
Houston, Tex.	170	186	117	182
Little Rock, Ark.	62	66	64	41
New Orleans, La.	181	190	150	170
Oklahoma City, Okla.	79	79	56	58
San Antonio, Tex.	108	119	85	112
Shreveport, La.	49	58	43	58
Tulsa, Okla.	69	55	51	72
MOUNTAIN:				
Albuquerque, N. Mex.	27	38	27	42
Colorado Springs, Colo.	33	20	29	26
Denver, Colo.	145	109	114	125
Ogden, Utah	22	16	18	15
Phoenix, Ariz.	96	81	76	76
Pueblo, Colo.	15	18	25	34
Salt Lake City, Utah	44	45	54	51
Tucson, Ariz.	46	46	53	54
PACIFIC:				
Berkeley, Calif.	17	18	15	13
Fresno, Calif.	54	59	39	48
Glendale, Calif.	48	31	32	31
Honolulu, Hawaii	31	44	30	42
Long Beach, Calif.	77	54	70	67
Los Angeles, Calif.	588	489	429	478
Oakland, Calif.	78	44	123	100
Pasadena, Calif.	22	35	29	38
Portland, Oreg.	115	111	77	118
Sacramento, Calif.	67	87	70	61
San Diego, Calif.	111	99	99	100
San Francisco, Calif.	187	193	146	175
San Jose, Calif.	34	37	34	28
Seattle, Wash.	143	152	171	173
Spokane, Wash.	61	51	43	54
Tacoma, Wash.	47	46	34	45

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

°Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages..... 12,132
4(B) Pneumonia-Influenza Deaths, all ages..... 604
4(C) Total Deaths under 1 Year of Age..... 708
4(D) Total Deaths, Persons 65 years and over..... 6,902

NOTF: All deaths by place of occurrence.

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MORTALITY CHART

The mortality charts showing each week a four-week average for deaths by one of four classifications will be replaced in 1965 by a single chart showing the reported and expected numbers of total deaths, deaths among persons 65 years and over, total pneumonia-influenza deaths, and deaths among children under 1 year of age. The previous chart series terminated with the 52nd week of 1964 and therefore does not appear in this interim issue. Corresponding changes will be made in Table 4, Deaths in Reporting Cities.

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THE 53RD WEEK

This anomaly occurs because the period of 365 (or 366) days in a year is not an integral multiple of the 7-day week. Consequently, the calendar date of the Saturday ending the reporting week advances one day in each common year and two days during a leap year. In 1961 the first reporting week of the year ended on Saturday, January 7, in 1962 on January 6, in 1963 on the 5th, and in 1964 on the 4th. Continuing this progression, since 1964 was a leap year, the first Saturday of 1965 falls on January 2, ending a week that includes 5 days of 1964. This week is therefore designated week Number 53 of 1964, and the first reporting week of 1965 is advanced to the week ending January 9. Years in which this adjustment must be made occur at intervals of 5 or 6 years in a 28-year cycle (except for centesimal-year calendar adjustment) which is illustrated in the table below. The first five columns comprise the 28-year cycle, 1948-1975, inclusive. The sixth column illustrates the commencement of a new cycle.

DATE OF THE FIRST SATURDAY FALLING ON THE 4th THROUGH THE 10th DAY OF EACH YEAR*

Date	Year					
Jan. 10	*1948*	1953	1959		1970	*1976*
9		1954	*1960*	1965	1971	
8	1949	1955		1966	*1972*	1977
7	1950	*1956*	1961	1967		1978
6	1951		1962	*1968*	1973	1979
5	*1952*	1957	1963		1974	*1980*
4		1958	*1964*	1969	1975	

*Leap years are italicized. Years of calendar adjustment, spanning 53 weeks, are underlined.

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